5th Grade Curriculum Map (MATH)

Publisher/Series - Sadlier - Grade 5

Month	Objectives/Learning Goals	Applicable State & National Learning Standards	Assessments
August	**Chapter 1: Place Value** 1. Understand place value through billions. 2. Read and write whole numbers through billions in expanded form. 3. Multiply and divide whole numbers by powers of 10. 4. Solve problems by using the four-step process. 5. Use addition properties and subtract multi-digit numbers. 6. Use front-end estimation and rounding to estimate sums and differences of multi-digit numbers. 7. Add and subtract multi-digit numbers.	5.OA.2, 5.NBT.1, 5.NBT.2	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 2, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 1 Test.
September	**Chapter 1** 1. Understand place value through billions. 2. Read and write whole numbers through billions in expanded form. 3. Multiply and divide whole numbers by powers of 10. 4. Solve problems by using the four-step process. 5. Use addition properties and subtract multi-digit numbers. 6. Use front-end estimation and rounding to estimate sums and differences of multi-digit numbers. 7. Add and subtract multi-digit numbers. **Chapter 2: Place Value and Decimals** 1. Read and write decimals to thousandths using standard form and the number name. 2. Read and write decimals to thousandths using expanded form. 3. Compare and order decimals using symbols to record the comparison. 4. Use place value to round decimal numbers. 5. Use logical reasoning to solve problems. 6. Use front-end estimation and rounding to estimate sums and differences of decimals.	5.OA.1, 5.OA.2, 5.NBT.1, 5.NBT.2, 5.NBT.3a, 5.NBT.3b, 5.NBT.4,	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 2, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 1 Test. Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 2, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 2 Test.
October	**Chapter 3: Multiplication** 1. Use multiplication properties to compare and evaluate expressions. 2. Use patterns to multiply whole numbers by multiples of 10, 100, and 1000. 3. Estimate products of whole numbers. 4. Multiply multi-digit numbers by 1-digit numbers. 5. Multiply a whole number by a 2-digit multiplier. 6. Use the guess and test strategy to solve problems. 7. Multiply a whole number by a 3-digit number. 8. Multiply multi-digit whole numbers with zeros in the multiplier.	5.OA.1, 5.OA.2, 5.NBT.5	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 4, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 3 Test.

November	**Chapter 3: Multiplication** `. Use multiplication properties to compare and evaluate expressions. 2. Use patterns to multiply whole numbers by multiples of 10, 100, and 1000. 3. Estimate products of whole numbers. 4. Multiply multi-digit numbers by 1-digit numbers. 5. Multiply a whole number by a 2-digit multiplier. 6. Use the guess and test strategy to solve problems. 7. Multiply a whole number by a 3-digit number. 8. Multiply multi-digit whole numbers with zeros in the multiplier. **Chapter 4: Division** 1. Use patterns to divide whole numbers by multiples of 10, 100, or 1000. 2. Use compatible numbers to estimate quotients. 3. Find whole-number quotients with 4-digit dividends and 1-digit divisors. 4. Divide by one-digit divisors to find quotients with zeros. 5. Use divisibility rules to mentally determine one-digit factors. 6. Use arrays and area models to illustrate the process of division. 7. Use strategies based on the relationship between multiplication and division to divide.	5.OA.1, 5.OA.2, 5.NBT.5, 5.NBT.6	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 4, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 3 Test. Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 5, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 4 Test.
December	**Chapter 4: Division** 1. Use patterns to divide whole numbers by multiples of 10, 100, or 1000. 2. Use compatible numbers to estimate quotients. 3. Find whole-number quotients with 4-digit dividends and 1-digit divisors. 4. Divide by one-digit divisors to find quotients with zeros. 5. Use divisibility rules to mentally determine one-digit factors. 6. Use arrays and area models to illustrate the process of division. 7. Use strategies based on the relationship between multiplication and division to divide.	5.OA.1, 5.OA.2, 5.NBT.6	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 5, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 4 Test.
January	**Chapter 5: Number Theory and Fractions** 1. Find the prime factorization of a number. 2. List the common factors and find the greatest common factor (GCF) of two or more numbers. 3. Determine if a fraction is closer to 0, ½, or 1. Find equivalent fractions. 4. Find the least common denominator of a set of fractions. 5. Solve problems by making tables. 6. Rename improper fractions as a whole or mixed number. 7. Compare and order fractions and mixed numbers. 8. Interpret a fraction as a division problem, and solve word problems involving fractions and mixed numbers.	5.NF.3	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 5 Test.

February	**Chapter 5: Number Theory and Fractions** 1. Find the prime factorization of a number. 2. List the common factors and find the greatest common factor (GCF) of two or more numbers. 3. Determine if a fraction is closer to 0, ½, or 1. Find equivalent fractions. 4. Find the least common denominator of a set of fractions. 5. Solve problems by making tables. 6. Rename improper fractions as a whole or mixed number. 7. Compare and order fractions and mixed numbers. 8. Interpret a fraction as a division problem, and solve word problems involving fractions and mixed numbers. **Chapter 6: Fractions: Addition** 1. Use models to add fractions with unlike denominators. 2. Add fractions with unlike denominators. 3. Use benchmarks and number sense to estimate and check answers involving fractions. 4. Add mixed numbers with unlike denominators. 5. Focus on using a model to solve problems. 6. Add mixed numbers and simplify the sum.	5.NF.1, 5.NF.2, 5.NF.3	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 5 Test. Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 6 Test.
March	**Chapter 6: Fractions: Addition** 1. Use models to add fractions with unlike denominators. 2 .Add fractions with unlike denominators. 3. Use benchmarks and number sense to estimate and check answers involving fractions. 4. Add mixed numbers with unlike denominators. 5. Focus on using a model to solve problems. 6. Add mixed numbers and simplify the sum. **Chapter 7: Fractions: Subtraction** 1. Use models to subtract fractions with unlike denominators. 2. Subtract fractions with unlike denominators. 3. Use benchmark fractions to assess the reasonableness of answers. 4. Use models to subtract with mixed numbers. 5. Use rounding and front-end estimation to estimate sums and differences of mixed numbers. 6. Subtract whole numbers and proper fractions from mixed numbers. 7. Subtract mixed numbers with like or unlike denominators. 8. Subtract mixed numbers by renaming whole numbers and fractions. 9. Focus on writing and solving equations to solve problems.	5.OA.1, 5.NF.1, 5.NF.2	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 6 Test. Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 7 Test.

April	**<u>Chapter 7: Fractions: Subtraction</u>** 1. Use models to subtract fractions with unlike denominators. 2. Subtract fractions with unlike denominators. 3. Use benchmark fractions to assess the reasonableness of answers. 4. Use models to subtract with mixed numbers. 5. Use rounding and front-end estimation to estimate sums and differences of mixed numbers. 6. Subtract whole numbers and proper fractions from mixed numbers. 7. Subtract mixed numbers with like or unlike denominators. 8. Subtract mixed numbers by renaming whole numbers and fractions. 9. Focus on writing and solving equations to solve problems.	5.OA.1, 5.NF.1, 5.NF.2	Students will complete numerous homework/classroom assignments throughout the chapter. After Lesson 3, students are to complete the Check Your Progress for a Quiz grade. At the end of the chapter, students will be given a review to complete over the material. Students will be assessed with the Chapter 7 Test.